<u>REMARKS</u>

Claims 1-5 are pending in the above-referenced application.

Claim 1 is amended.

In the above-referenced Office Action, the Examiner states that Applicant's proposed amendment to Claim 1, submitted with Applicant's response to the May 15, 2000 Office Action, was not entered. The Examiner states that such response was not fully responsive as had the amendment to Claim 1 been entered, the claimed invention would be directed to both a method of preparing a liquid and the semiconductor process using the liquid. Applicant respectfully asserts that such a conclusion is incorrect as Claim 1 as originally filed recites, among other things, "[a] method of preparing a liquid for a semiconductor fabrication process." Therefore, Applicant believes that the inclusion in the proposed amendment to such claim that reciting "employing the liquid ... for the semiconductor process" (emphasis added) could not change the scope or direction of Claim 1. None the less, and for the purpose of hastening the prosecution of the instant application, Applicant resubmits an amended Claim 1, absent the limitation that the Examiner believes is problematic. Applicant therefore requests reconsideration of the instant application in view of the remarks and amendments herein.

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Claim Rejections under 35 U.S.C. §102:

Erk et al

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Claims 1-5 stand rejected under 35 U.S.C. 102(b), as being anticipated by US Patent 5,340,437 issued to Erk et al. (hereinafter Erk). Applicant traverses.

Claim 1 recites, in pertinent part:

degassifying the liquid; and

injecting a gas into the liquid to regassify the liquid, the regassification increasing a total dissolved gas concentration in the liquid to greater than or equal to 200 ppb.

Erk neither teaches or suggests degassifying a liquid. Rather, Erk injects a gas into an etchant at a pressure higher than atmospheric pressure to dissolve the gas. Furthermore, as Erk states that the pressurized etchant contains compressed bubbles in addition to dissolved gas, Applicant respectfully asserts that Erk specifically teaches away from any degassification process as such would eliminate such compressed bubbles (column 3, line 23). In addition, as Erk is injecting gas into the etchant so that the gas will form a froth when the pressure is suddenly dropped, it would be inconceivable for the teachings of Erk to be construed to teach or suggest degassifying the etchant prior to injecting the gas (ibid, lines 24-30). Furthermore, while Erk does not discuss the specific concentration of dissolved gases in the etchant after the sudden drop in pressure, Applicant asserts that Erk teaches that such concentration be as low as possible. Referring to column 3, lines 42-45,

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Erk essentially states that nitrogen is preferred over carbon dioxide as it has a lower solubility.

Erk does not teach, at least, the limitations of degassifying and regassifying a liquid, as recited in Claim 1 of the instant application. Therefore it necessarily follows that the Examiner's rejection of Claim 1 under 35 U.S.C. §102(b) cannot meet the statutory requirement of such a rejection. Hence, the rejection must be withdrawn. For at least the same reasons the rejection of Claims 2-5, depending from Claim 1, also must be withdrawn. Applicant requests that the Examiner reconsider Claims 1-5 in view of the remarks herein and pass them to issue in the next action.

Liu et al

Claim 1 stands rejected under 35 U.S.C. 102(b), as being anticipated by US Patent 4,817,652 issued to Liu et al. (hereinafter Liu). Applicant traverses.

As stated above, Claim 1 recites, among other things, degassifying and regassifying a liquid. Liu, like Erk discussed above, does not teach or suggest such limitations. Rather Liu, like Erk, teaches injecting a gas into a liquid while the liquid is under pressure and then rapidly depressurizing the liquid to cause a plurality of bubbles to form (col. 5, lines 15-40). As the forming of such bubbles is such a critical part of Liu's invention, it would be inconceivable for the teachings of Liu to be

construed as teaching or even suggesting a degassification process prior to injecting the gas into the pressurized etchant (ibid).

As Liu does not teach the limitations of degassifying and regassifying a liquid, as recited in Claim 1 of the instant application, it necessarily follows that the Examiner's rejection of Claim 1 under 35 U.S.C. §102(b) cannot meet the statutory requirement of such a rejection. Hence such a rejection must be withdrawn. Applicant requests the Examiner reconsider Claim 1 in view of the remarks herein and pass it to issue in the next action.

With regard to the prior art made of record and not relied upon in the current action, Applicant respectfully asserts that none teach or even suggest degassifying and regassifying a liquid and then using the regassified liquid of the increased total gas concentration in a semiconductor process.

In summary, Applicant has shown that each of the rejections in the above-referenced Office Action is overcome. It follows then that all rejected claims should be immediately allowed since none of the art cited in the above-referenced Office Action, or any other art of record in the instant application, discloses, teaches or even suggests all the limitations recited in any or all of the pending claims. Action to this effect is requested. If the Examiner's next action is to be anything other than a Notice of Allowance, or if the Examiner plans to issue a Notice of Allowance but believes that there are other or additional reasons for

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such allowance of the pending claims, the undersigned respectfully requests a telephonic interview.

Respectfully submitted,

Bernard Berman

Reg. No. 37,279